

FIG. 1
BACKGROUND ART

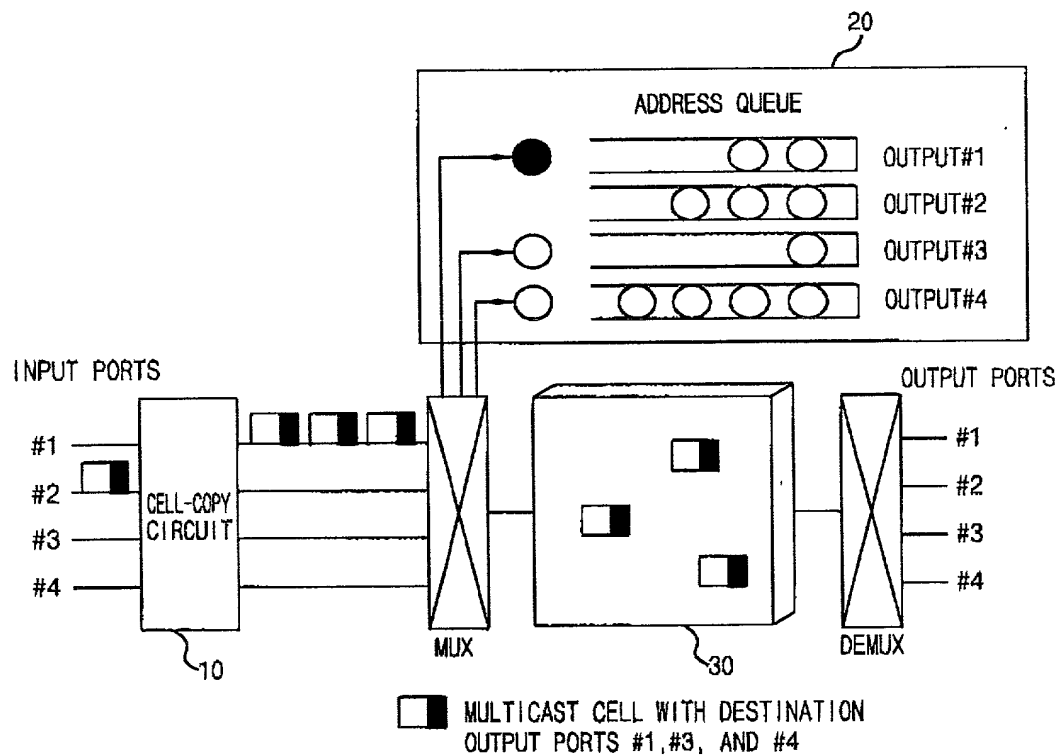


FIG.2

BACKGROUND ART

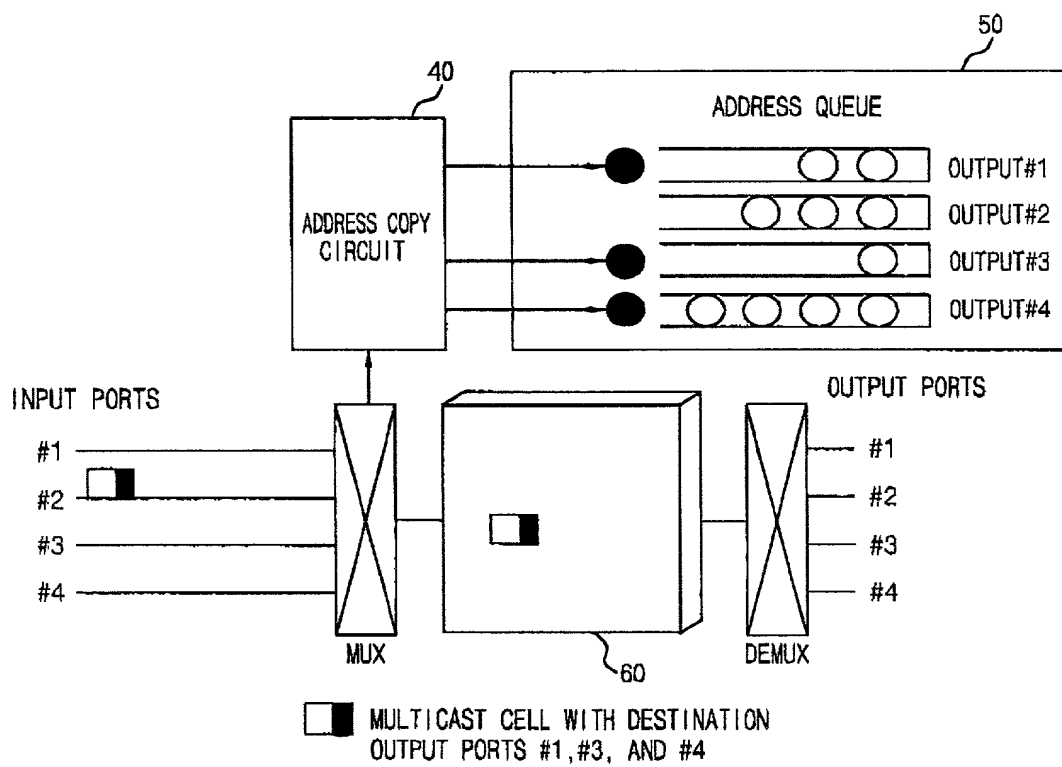


FIG.3
BACKGROUND ART

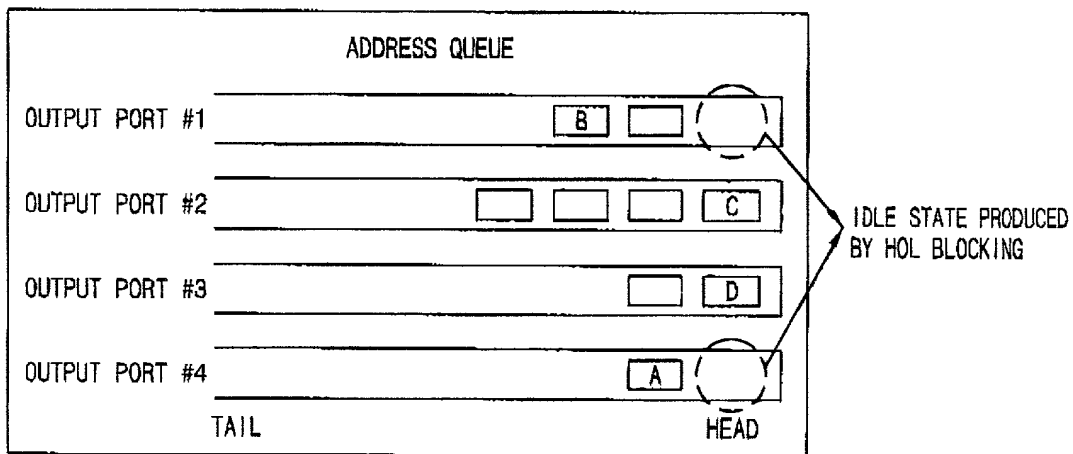
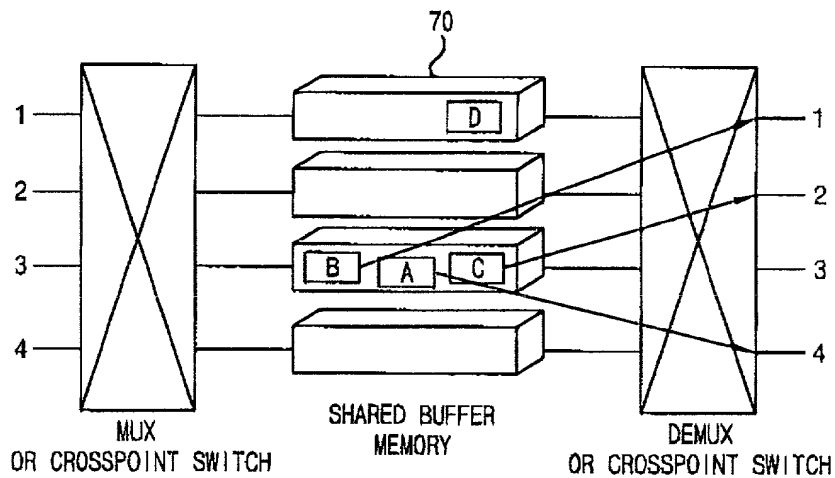


FIG. 4

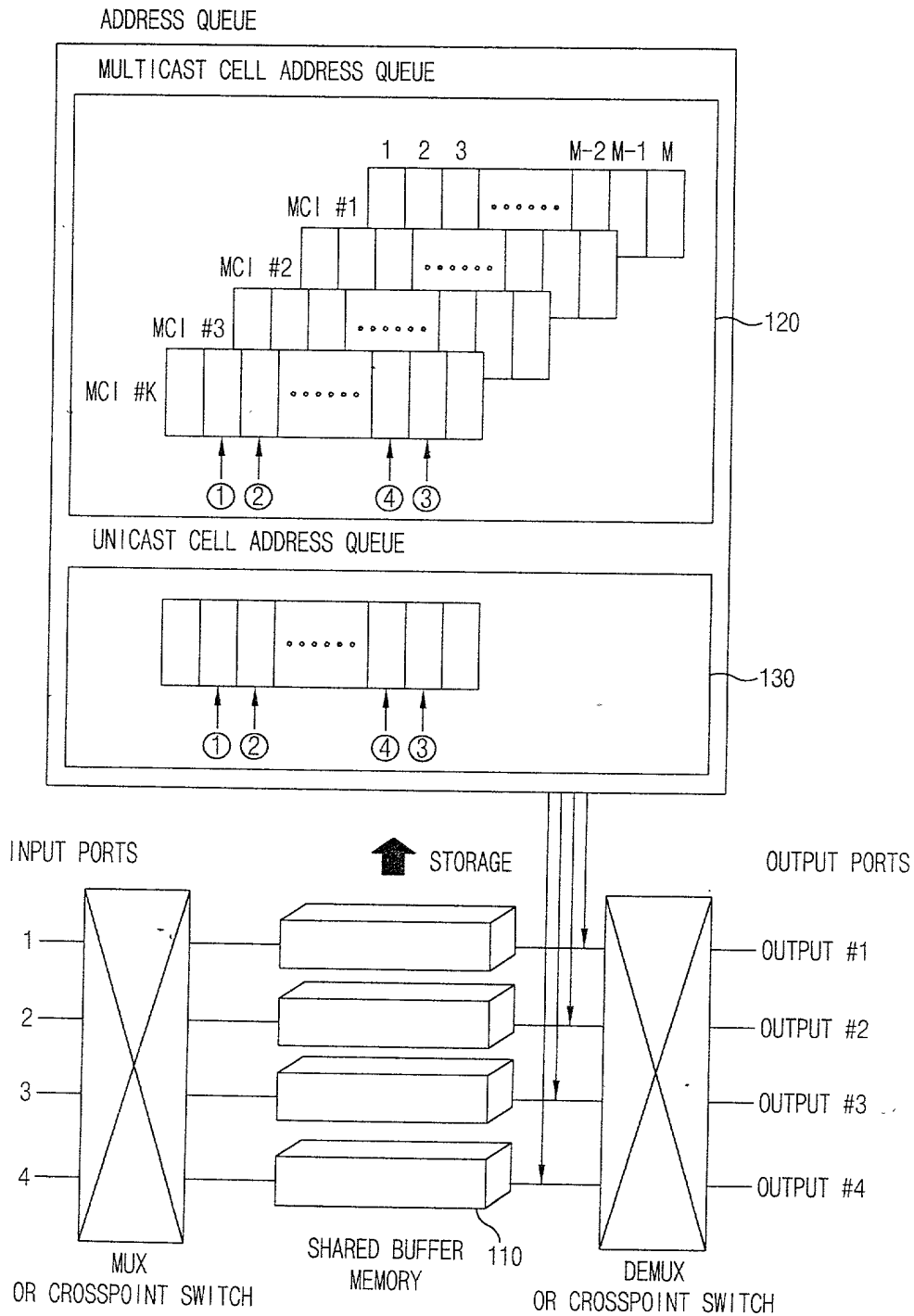


FIG.5

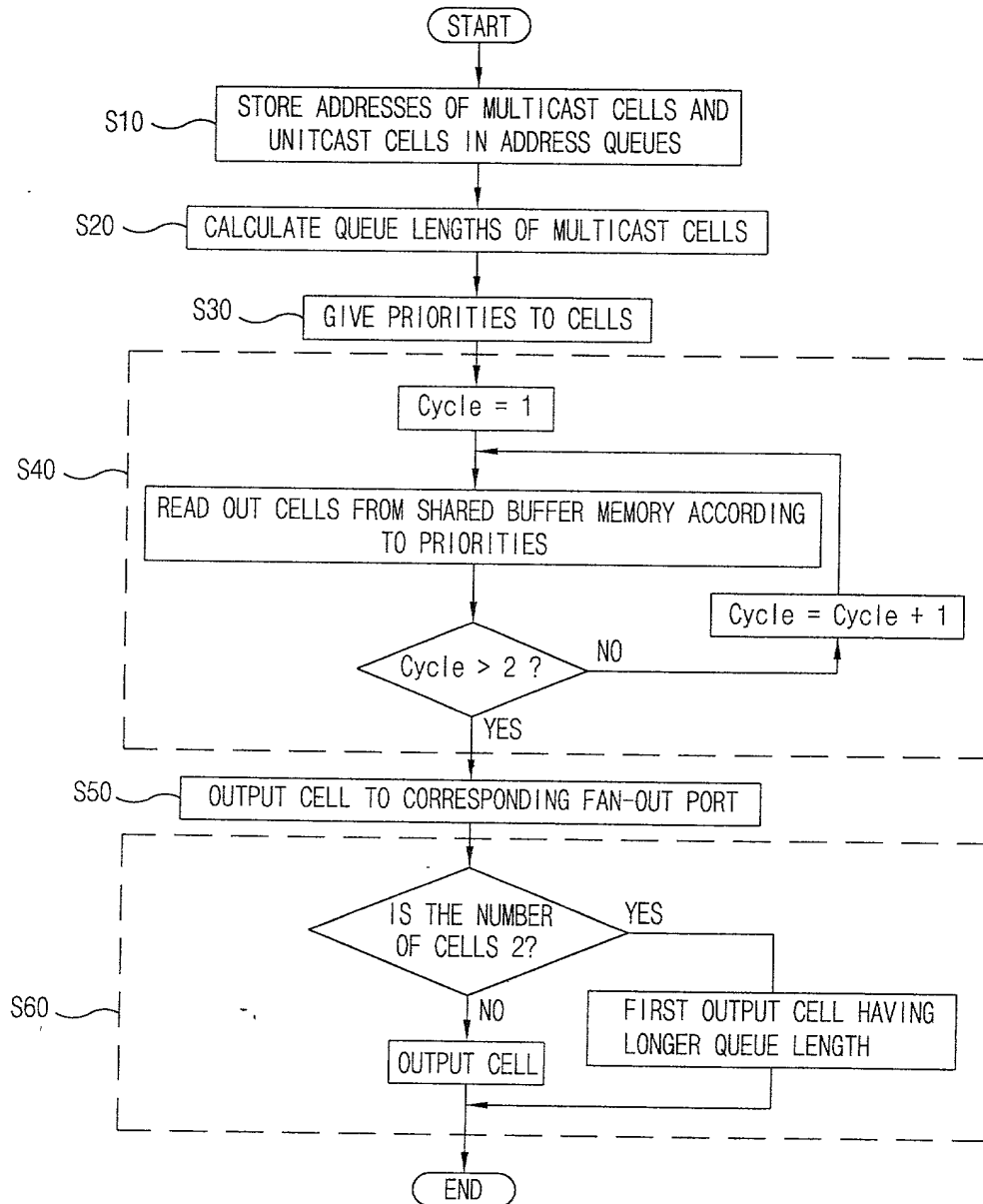


FIG.6

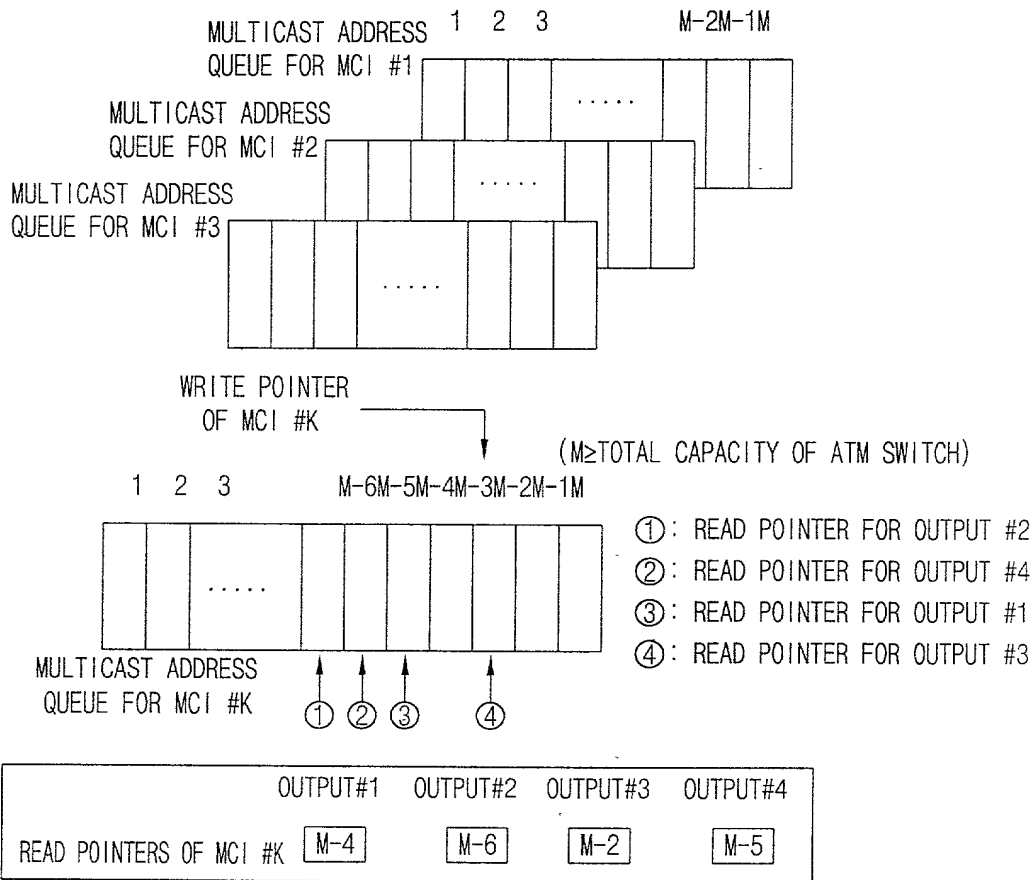


FIG.7A

| | OUTPUT #1 | OUTPUT #2 | OUTPUT #3 | OUTPUT #4 |
|----------------------|-----------|-----------|-----------|-----------|
| MC1 #1 ADDRESS QUEUE | 89 | 88 | (90) | (84) |
| MC1 #2 ADDRESS QUEUE | (91) | (95) | 80 | 83 |
| MAXIMUM QUEUE LENGTH | 91 | 95 | 90 | 84 |
| PRIORITY | 2 | 1 | 3 | 4 |

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FIG. 7B

OUTPUT PORT
→

| | | | | |
|-----|-----------------|-----------------|-----------------|-----------------|
| | 1 | 2 | 3 | 4 |
| 1st | | | SBM #4(s_1) | |
| 2nd | SBM #2(s_2) | | | |
| 3rd | | SBM #2(s_3) | | |
| 4th | | | | SBM #2(s_4) |

↑
READ PRIORITY

OUTPUT PORT & READ PRIORITY OF UNICAST CELL(s)

FIG. 7C

OUTPUT PORT
→

| | | | | |
|-----|-----------------|-----------------|-----------------|-----------------|
| | 1 | 2 | 3 | 4 |
| 1st | | SBM #2(m_1) | | |
| 2nd | SBM #3(m_2) | | | |
| 3rd | | | SBM #4(m_3) | |
| 4th | | | | SBM #4(m_4) |

↑
READ PRIORITY

QUEUE LENGTH OF m_1 : 95
 QUEUE LENGTH OF m_2 : 91
 QUEUE LENGTH OF m_3 : 90
 QUEUE LENGTH OF m_4 : 84

OUTPUT PORT & READ PRIORITY OF MULTICAST CELL(m)

FIG. 8

